

## About Production Data:

Computerized tracking of oil and gas production volumes began in Michigan in 1982. Prior information is only available on microfilm. In 1982 only prorated wells (wells that had production regulated) were tracked. In 1997, rules were changed to track production on all wells in Michigan. Neither the **production data download**, or the **Data Miner** application include all production data in the State, but they do include everything in our database at the time they were last updated. The Michigan Oil and Gas Data Miner is updated automatically once a week. The production data download is updated once a month around the first of the month. Companies have 45 days from the end of each month to report production. Therefore it is not uncommon for downloadable production data information to be 2 months behind.

## The Production Data Download:

The production data download is a zipped Microsoft Access 2000 database file. The production data files are available via FTP. If you do not have Microsoft Access, use the Michigan Oil and Gas Data Miner.

- Gas units are mcf (thousand cubic feet) at 14.73 pounds per square inch (psi).
- Liquids (oil, water, ngls, condensate) are in (42 gallon) barrels (bbl). Oil is crude oil. Water is also called brine.
- Natural Gas Liquids (ngls) and condensate are both a very light hydrocarbon that drops out of gas during processing.

The production file, approximately 7-8 MB, includes the date created in the file name. This is a zipped (compressed) file. Before it can be opened with Microsoft Access it must be unzipped.

This production file will be updated monthly near the 1st of the month. The date the file was created will be in the file name: **ogs-oilandgas-production-all-YYYY-MM-DD.zip**.

**Cumulative production** is not available per se. However, there is a query in the download database that totals the monthly production. If a prorated well started producing after 1982, a cumulative can be found by running that query. If a well is not prorated but has been producing since 1997 a cumulative can be calculated similarly. There is another query that gives yearly totals.

**Production Reporting Units (PRUs):** A PRU may have only one well, in which case the production for that PRU is the well production. Many PRUs have more than one well, especially in the Antrim formation. There is no way to break out production by individual well for a multiple well PRU. To find out what wells are in a PRU, check the PRU Wells table. Some multiple well PRUs have been converted to individual well PRUs. This may result in some confusion since PRU numbers have changed for various permit numbers. Consult the PRU Wells table to find the Permit Number - PRU relationships.

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